POSITION INITIALS ID NO. DATE

FEE DETERMINATION
O.I.P.E. CLASSIFIER
FORMALITY REVIEW
RESPONSE FORMALITY REVIEW

INITIALS ID NO. DATE

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## **INDEX OF CLAIMS**

| ~ | Rejected                   | N   | Non-elected  |
|---|----------------------------|-----|--------------|
| = | Allowed                    | - 1 | Interference |
| _ | (Through numeral) Canceled | Α   | Appeal       |
| ÷ | Restricted                 | 0   | Objected     |

|          |          |                  |          |  |  | ÷  |          |          |          |          | ••••         |     | f        | Rest     | rict          | ed       |   |
|----------|----------|------------------|----------|--|--|--|----------|----------|----------|----------|--------------|-----|----------|----------|---------------|----------|---|
| Cla      | im       | Date             |          |  |  |  |          |          |          |          | Claim        |     |          |          |               |          |   |
| Final    | Original | 5<br>12<br>24    |          |  |  |  |          |          |          |          |              |     | Final    | Original |               |          |   |
| 1        | 1        | 1                | +        | <u> </u>   | <del> </del>                                     |  |          | $\vdash$ |          |          | <del> </del> |     | -        | 51       | Ι.            |          | r |
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|          | 7        | H                | +        | -  | -  |  |          | $\vdash$ |          | -        | ┢            |     |          | 57       |               |          | H |
|          | 8        | H                | +        | <u> </u>   | $\vdash$   |  | -        | -        |          |          | -            | -   | _        | 58       | -             |          | F |
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| $\vdash$ | Ū        |                  | $\vdash$ | <del>                                     </del> | $\vdash$   |  |          | Н        |          |          | _            |     | -        | 61       |               |          | Н |
| Н        | 12       |                  | 1        | <del> </del>                                     | ╁─   |  | -        | ┝        | -        | ┝        | $\vdash$     | l ' |          | 62       | _             |          | H |
| ┢        | 13       | Н                | 4        | -  | -  |  | -        | -        | -        | -        | -            |     | $\vdash$ | 63       |               |          | H |
| $\vdash$ | 14       | _                | +-       | +  | $\vdash$   | -  | -        |          |          | $\vdash$ | -            |     |          | 64       | -             | -        | H |
| $\vdash$ | 15       | Н                | ╁        | ┼  | ╢  | $\vdash$   |          | ┝╌       |          | H        | H            |     | -        | 65       |               |          | H |
| H        |          | H                | 7-       | ┢╌   | -  |  | -        | -        |          | -        | $\vdash$     |     | _        | 66       |               | -        | H |
| ┢        | 16<br>17 | Н                | ╁        | ┢  | $\vdash$   |  | -        | -        | -        | -        |              |     | -        | 67       |               | -        | ┝ |
|          | 18       | Н                | +-       | ┢  | ⊢  | -  |          |          |          |          | ⊢            |     |          | 68       |               |          | - |
| <u> </u> | 19       | H                | ╁        | ╁  | -  | -  | -        | -        |          | -        | -            |     |          | 69       | _             |          | - |
|          |          | H                | +-       |  | -  |  | _        | -        | $\vdash$ | _        | <u> </u>     |     | $\vdash$ |          |               |          | H |
| <u> </u> | 20       | 1                | 1        | ļ  | <u> </u>   |  |          | _        | _        | _        | <u> </u>     |     |          | 70       |               |          | L |
| ╙        | 21       | #                | -        | ļ.,  | ļ  |  | _        | _        |          |          | ļ            |     |          | 71       |               |          | L |
| _        | 22       | 1                | <u> </u> | _  | <u> </u>   | L.   |          | <u> </u> |          |          | ļ            |     |          | 72       | _             | _        | L |
| _        | 23       |                  | 1.       | <u> _</u>  | L.   | <u> </u>   |          |          |          |          | L.,          |     |          | 73       |               |          | L |
| _        | 24       | -                | 1        | _  | <u> </u>   | <u> </u>   | L        | ļ        |          |          | ļ            |     |          | 74       | _             |          | L |
| L        | 25       | Ц                | <u> </u> | <u> </u>   | L  | L.   |          | ļ        |          |          | L            |     | ㄴ        | 75       |               |          | L |
|          | 26       | Ц                |          | ļ  | <u>_</u>   | <u> </u>   | L.       | _        |          |          |              |     | L        | 76       | _             |          | L |
| <u> </u> | 27       | Ц                |          | _  | _  | L  |          | L        |          |          | _            |     |          | 77       |               |          | L |
| L_       | 28       | Ц                | 1_       | <u> </u>   | _  |  | L        | L        | <u> </u> |          |              |     |          | 78       | _             |          | L |
| 乚        | 29       | Ц                | 1        | <u> </u>   | <u></u>  | <u> </u>   |          |          |          |          |              |     | _        | 79       |               |          |   |
| 2_       | 30       | Ц                | <u> </u> | <u> </u>   | L  | L  |          |          | _        |          | L            |     |          | 80       |               |          | L |
|          | 31       | Ц                |          |  | L  | <u>L</u> .                                       |          |          |          |          | L            |     |          | 81       |               |          | L |
|          | 32       | Ц                | <u> </u> | <u> </u>   | L  | L  |          | L        |          |          | L            |     |          | 82       |               |          | L |
| Ĺ        | 33       | 11               | 1_       | 1_   | _  | _  | <u> </u> | <u>L</u> | <u>_</u> |          | <u> </u>     |     |          | 83       |               |          | L |
|          | 34       | Ц                | <u> </u> | _  | _  | L  |          | <u> </u> | <u></u>  |          |              |     |          | 84       |               |          | L |
|          | 35       | Ц                | 1        |  | L  | L  | <u>L</u> | Ĺ        | L        | L        | L            |     | _        | 85       |               |          | L |
|          | 36       | Ц                |          |  | Ĺ  |  |          |          |          |          |              |     |          | 86       |               |          | Ĺ |
|          | 37       | $\Box$           |          | L  | Ĺ  | L  |          |          |          |          |              |     |          | 87       |               |          | L |
|          | 38       |                  |          | $\Box$   | Ĺ  |  |          |          |          |          |              |     |          | 88       |               |          | Ĺ |
|          | 39       | $\square$        |          | 匚  |  | 匚  |          |          | L        |          |              |     |          | 89       |               |          | Ĺ |
|          | 40       | $\lfloor \rceil$ |          | $L^{T}$  | L  | L  |          |          | l        |          | L            |     | L        | 90       |               |          |   |
| Г        | 41       | П                | 1        |  | Γ  | Γ  |          |          |          |          |              |     |          | 91       |               |          |   |
|          | 42       | П                | 1        | 1  | Γ  | Г  |          |          |          | Г        |              |     |          | 92       |               |          | Γ |
|          | 43       | П                | 1        | 1  | <u> </u>   |  |          | Γ        | П        | Г        | Г            |     |          | 93       |               |          | Γ |
| Г        | 44       | T                | T        | Τ  |  |  |          | Ι        |          |          |              |     | Т        | 94       |               |          | Γ |
| Т        | 45       | T                | T        | T  | Г  | П  | $\vdash$ |          | $I^-$    | Г        | Г            |     | Ι-       | 95       | П             | П        | Г |
|          | 46       | <del></del>      | 1        | T  | Г  |  |          | T-       | $\vdash$ | Г        |              |     |          | 96       | _             |          | Γ |
| Г        | 47       | 子子               | T        | 1-   | <del>                                     </del> | $\vdash$   |          |          |          | Т        | $\vdash$     |     |          | 97       | $\overline{}$ | $\vdash$ | Г |
| $\vdash$ | 48       | _                | +-       | $\vdash$   | Н  | $\vdash$   | ┢        | ┢═       | ┢        | <u> </u> | Ι            |     | $\vdash$ | 98       | Н             | Н        | Н |
| $\vdash$ | 49       | _                | +        | $\vdash$   | $\vdash$   | <del>                                     </del> | <u> </u> |          | -        | -        | <del> </del> |     | ┢═       | 99       |               | <b>—</b> | Н |

| t     | 1651          | ITIC     | eo       |          |          |            | U              | ••••         | ••••     | ••••   | ••••     |
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| Cla   | im            | Г        |          |          |          | Da         | P .            |              |          |  |          |
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| Final | Original      |          |          |          |          |            |                |              |          | ĺ  |          |
| ιĒ    | ō             |          |          |          |          |            |                |              |          | ŀ  |          |
| _     | 51            |          |          |          |          | _          |                |              |          |  |          |
|       | 52            | _        | -        |          | -        | -          |                | -            |          |  |          |
| _     | 53            |          |          |          |          |            |                | -            | -        |  | -        |
|       |               |          |          |          | _        |            |                | ļ            |          |  | L        |
|       | 54            | _        | _        |          | _        |            |                | _            |          | $\vdash$                                     | _        |
|       | 55            |          |          |          |          |            |                |              |          |  |          |
|       | 56            |          |          |          |          |            |                |              |          | l  | L        |
|       | 57            |          |          |          |          |            |                |              |          |  |          |
|       | 58            | -        |          |          |          |            |                |              | Г        |  |          |
|       | 59            |          | $\vdash$ |          |          | $\vdash$   |                | _            |          | Т  | Н        |
|       | 60            |          | -        | -        |          | $\vdash$   | -              | -            | -        | _  | -        |
|       | 61            |          | H        |          |          |            |                | ļ            |          | _  | _        |
|       | -             | _        |          | _        | _        |            |                |              |          | _  | ┝        |
|       | 62            |          |          | _        |          | _          |                | L.           |          | _  | L        |
|       | 63            | L        | L.       |          |          |            |                |              |          |  |          |
|       | 64            |          |          |          |          |            |                |              |          |  | Г        |
|       | 65            |          |          |          |          | _          |                |              |          |  | _        |
|       | 66            | _        |          |          | -        | H          |                | $\vdash$     |          |  |          |
|       | 67            |          | $\vdash$ | -        |          | $\vdash$   | ·              |              | $\vdash$ |  | -        |
|       |               | _        | -        |          |          | -          |                | _            | -        |  | _        |
|       | 68            |          |          |          |          | <u></u>    |                |              |          |  | ļ.,      |
|       | 69            |          |          |          |          |            |                |              |          |  |          |
|       | 70            |          |          |          |          |            |                |              |          |  |          |
|       | 71            |          |          |          |          | $\vdash$   |                | -            |          |  |          |
|       | 72            | _        | H        | -        | -        |            | -              | $\vdash$     |          | -  | -        |
|       | _             |          |          |          |          |            | -              |              |          |  | -        |
|       | 73            |          |          |          | _        | L          |                |              |          |  | L        |
|       | 74            |          |          |          |          |            |                |              | <u></u>  |  | _        |
|       | 75            |          | L        |          |          | L          |                |              |          | <u>.                                    </u> | L        |
|       | 76            |          |          |          |          |            |                |              |          |  |          |
|       | 77            |          | _        |          |          |            |                |              |          |  | _        |
|       | 78            |          | $\vdash$ |          | -        | _          |                | $\vdash$     | -        | _  | Н        |
|       | 79            | _        | -        |          | H        | -          | -              | $\vdash$     | -        |  |          |
|       | _             | _        | <u> </u> |          | _        | <u> </u>   | -              |              |          | -  | -        |
|       | 80            |          | _        | _        | L.,      | _          |                | _            |          | _  | _        |
|       | 81            |          |          |          |          |            |                | L            |          |  |          |
|       | 82            |          |          |          |          |            |                |              |          |  | 1        |
|       | 83            |          |          |          |          |            |                |              |          | П  | Г        |
|       | 84            |          |          |          |          |            |                |              |          | $\vdash$                                     |          |
|       | 85            |          | -        |          | -        | $\vdash$   |                |              |          |  | Н        |
|       | 86            | _        | -        |          | -        | $\vdash$   |                | _            | -        | $\vdash$                                     | $\vdash$ |
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|       | 87            |          |          |          |          | _          | لــــا         | <u> </u>     | L        | _  | _        |
|       | 88            |          |          |          |          |            |                |              |          |  |          |
|       | 89            |          |          |          |          |            |                |              |          |  | _        |
|       | 90            |          |          |          |          |            |                |              |          |  |          |
|       | 91            | $\vdash$ | $\vdash$ |          | Ι        | Ι          |                | $\vdash$     | $\vdash$ | $\vdash$                                     | -        |
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|       | 92            | _        | -        | _        | L        | ļ          | <u> </u>       | <u> </u>     | L.       | <u> </u>                                     | <u> </u> |
|       | 93            |          |          |          | <u> </u> |            | $oxed{oxed}$   | L            | <u></u>  | <u> </u>                                     | _        |
|       | 94            |          |          |          |          |            |                |              |          | ١  |          |
|       | 95            |          |          |          | <u> </u> | Γ          |                | Г            |          |  |          |
|       | 96            | Ι        | <u> </u> | $\vdash$ | $\vdash$ |            | $\vdash$       | 1            |          |  | $\vdash$ |
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|       | 98            | <u> </u> | <u> </u> | <u> </u> | -        |            | <u> </u>       | <u> </u>     | ⊢        | <u> </u>                                     | $\vdash$ |
|       | u a           |          | 1        |          |          |            |                |              |          |  |          |

|          |            |    |          |          |          | 3        |                  |              |          |                    |          |
|----------|------------|----|----------|----------|----------|----------|------------------|--------------|----------|--------------------|----------|
| Cla      | im         |    |          |          |          | Dat      | Θ                |              |          |                    |          |
| Final    | Original   |    |          |          |          |          |                  |              |          |                    |          |
| _        | 101        |    |          |          |          |          |                  |              |          | Ī                  |          |
|          | 102        |    |          |          |          |          | * 7.75<br>* 7.75 |              |          |                    |          |
|          | 103        |    |          |          |          |          |                  |              |          |                    |          |
|          | 104        | _  |          |          |          |          |                  | 9            |          |                    |          |
|          | 105        |    |          |          |          |          |                  | 7            | 8        |                    |          |
|          | 106        |    |          |          |          |          |                  | *            |          |                    |          |
|          | 107        | _  |          |          |          |          |                  |              |          | 닏                  |          |
| -        | 108        |    | Ľ.       |          |          |          | . ?              |              |          | 닐                  | 날        |
|          | 109        |    |          | _        |          | _        |                  | 3            |          | 닏                  |          |
|          | 110        |    | _        |          |          | $\vdash$ |                  |              |          | 닏                  | =        |
|          | 111        |    | L        | ·-       | ļ.,      |          | -                | 13           | 9        | Ļ                  | 느        |
|          | 112        |    |          | ļ        | H        | H        | _                |              |          |                    |          |
| _        | 113        | _  | -        | -        |          |          | -                |              |          |                    |          |
|          | 114<br>115 |    | $\vdash$ |          | -        |          |                  |              | 25       |                    |          |
| -        | 116        |    | $\vdash$ | Н        | Н        | Н        |                  |              |          |                    | H        |
|          | 117        |    | $\vdash$ | -        |          |          | -                | 3            |          |                    | H        |
| _        | 118        | _  | Н        | -        | -        |          | ٠                |              |          |                    |          |
|          | 119        | _  | $\vdash$ | -        |          | $\vdash$ | -                |              | H        |                    |          |
|          | 120        |    | $\vdash$ | -        | -        | -        |                  | H            | H        |                    |          |
|          |            | _  | ⊢        | -        | <u> </u> |          | <u> </u>         | -            |          |                    |          |
|          | 121<br>122 |    | -        |          | -        |          |                  | ⊢            |          |                    |          |
|          | 123        |    | -        | -        | -        | -        | -                | $\vdash$     |          |                    |          |
|          | 124        |    | -        | -        | -        |          | -                | H            | -        |                    | ×        |
|          | 125        | —  | -        | -        | $\vdash$ |          | $\vdash$         | -            |          |                    | 322      |
|          | 126        |    |          | $\vdash$ | ┢╾       |          | ┢                |              |          |                    | 34       |
|          | 127        |    |          | -        | ┢        |          | ┢                |              | ╁─       | H                  |          |
|          | 128        | _  | $\vdash$ | $\vdash$ | -        | _        |                  | <b>-</b>     | ┢        |                    | -3       |
|          | 129        |    | $\vdash$ |          | <u> </u> | $\vdash$ | $\vdash$         | t            | H        |                    |          |
|          | 130        |    |          |          | -        |          | $\vdash$         | $\vdash$     | Ħ        |                    |          |
|          | 131        |    |          |          | $\vdash$ |          |                  |              | T        | ┢                  |          |
|          | 132        |    | Γ        |          |          |          | <u> </u>         |              | Γ        | Г                  |          |
|          | 133        |    |          |          |          |          |                  |              |          | Г                  |          |
|          | 134        |    |          |          |          |          |                  |              |          |                    | - 9      |
|          | 135        |    |          |          |          |          |                  |              |          | Γ                  |          |
|          | 136        |    |          |          |          |          |                  |              |          |                    |          |
|          | 137        |    | $\Box$   | L        | L        | L        | $\Box$           | Ĺ            | $\perp$  | $oxedsymbol{oxed}$ | L        |
|          | 138        | _  | <u> </u> | L        | L        | _        | L_               |              | L        | L                  | L        |
|          | 139        |    |          |          |          |          |                  |              | L        | L                  | <u> </u> |
|          | 140        |    |          | L.       | <u> </u> | L        |                  | L            | L        | 1_                 | L        |
|          | 141        |    | L        | ļ        | _        | <u> </u> | L                | L            | 1        | _                  | L        |
|          | 142        |    | L        | L        | _        | Ĺ        | L                | L            |          | L                  | $\perp$  |
|          | 143        | _  | L        | _        | <u> </u> |          |                  | L            | _        | L                  | L        |
|          | 144        |    | <u> </u> |          | _        | L        | L_               | $oxed{oxed}$ | <u> </u> | L                  | L        |
|          | 145        | L. | L        | L.       | _        | _        | L                | L            | L        | L                  | 1_       |
|          | 146        |    | _        | _        | _        | _        |                  | L            | _        | L                  | _        |
|          | 147        |    | _        |          |          | _        |                  | L            | L        | L                  | L        |
| <u> </u> | 148        |    | $\vdash$ | _        | <u> </u> | _        | $\vdash$         | $\vdash$     | 1        | 1                  | $\vdash$ |
| _        | 149        | _  | $\vdash$ | _        | _        | -        | <del> </del>     | <del> </del> | 1        | ╀                  | -        |
|          | 150        |    |          |          |          |          |                  |              |          | 1_                 |          |

If more than 150 claims or 10 actions staple additional sheet here

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